Cellebrite Android Support Matrix
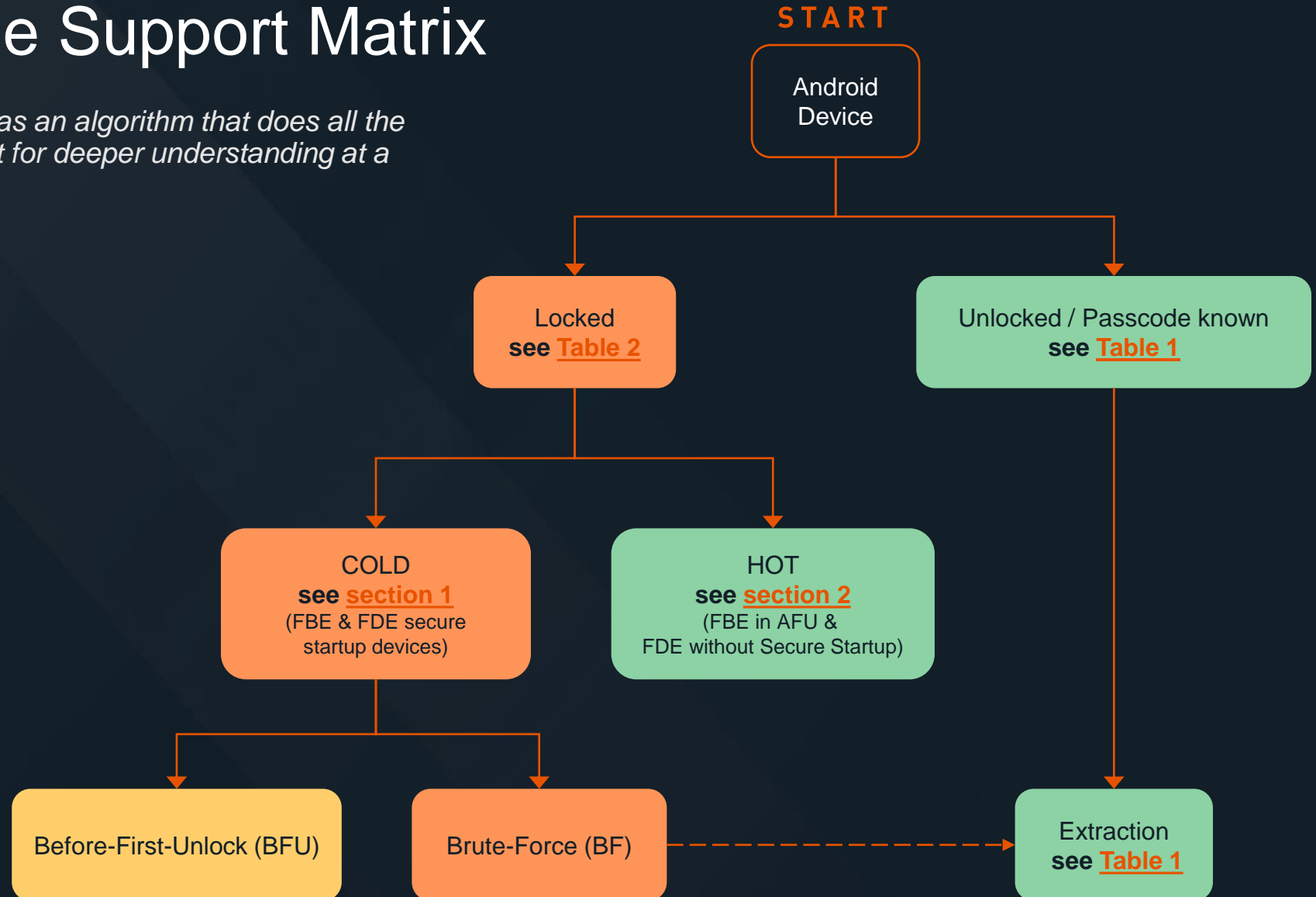
April 2024

Resource package 7.69.1

How to use the Support Matrix

Don't worry – The application has an algorithm that does all the above automatically. This is just for deeper understanding at a glance!

START

Android Device

Locked
see Table 2

Unlocked / Passcode known
see Table 1

COLD
see section 1
(FBE & FDE secure startup devices)

HOT
see section 2
(FBE in AFU & FDE without Secure Startup)

Before-First-Unlock (BFU)

Brute-Force (BF)

Extraction
see Table 1

Available Extractions:

✦ Physical Extraction (for FDE devices)

✦ Full File System (FFS)

✦ User Data File System (userdata)

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Table 1: Android OS Access Support Matrix – Unlocked devices 7.69.1

Vendor (Chipset)	Available Extractions	More info
Samsung (Exynos / MTK / Qualcomm)	✅	*Added support for Galaxy S24, S24+, S24 Ultra, A05, A15, A25.*
Huawei Kirin / Qualcomm / MTK	✅	
Google Pixel 1-8	✅	*Added support for Android 14 official* *Added support for Pixel 8, Pixel 8 Pro, Pixel Tablet, Pixel Fold*
Non-Samsung Qualcomm	✅	Added support for **Snapdragon 8 Gen 3.**
Non-Samsung MTK	✅	Alcatel MTK – Medium chance For these vendors there are infinite device models with different characteristics. Most of these should be supported but not all. Added support for Dimensity 7030 and Dimensity 9300.
Non-Samsung Exynos	✅	
Non-Samsung Unisoc	✅	Most such devices should work when unlocked, using the unlocked flow.
Secured Containers	Samsung Secure-folder	Including support for System Cloner and Guest/Additional users.
	Huawei Private Space	
	Xiaomi 2nd Space	
	Realme/Oppo/Vivo System Cloner	
Tracfone brand of LG, etc. Spreadtrum-based devices, Non-Android devices	**Limited Availability in UFED**	

Legend:

✅ Fully Supported

🟨 Partially Supported

❌ Not Supported

Table 2: Android OS Access Support Matrix – Locked devices 7.69.1

Vendor (Chipset)		Section 1: COLD - turned off (Secure startup or FBE)		Section 2: HOT (AFU or FDE without secure startup)		Comments and exceptions
		BFU extractions (for FBE devices)	Brute-Force Password to get the user data (CE) decrypted	All Extractions (Even without BF)	Brute-Force password (not needed for extraction)	
Samsung (Exynos / MTK / Qualcomm)	**Android 6**	❌ Not Supported	❌ Not Supported	✅ Fully Supported	☑ Partially Supported	
	Android 7-14	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	Added BF support for QC S24, S24+, S24 Ultra
Huawei (Kirin / Qualcomm / MTK)		✅ Fully Supported	☑ Partially Supported	✅ Fully Supported	✅ Fully Supported	P40 family is supported for Brute-force only up to ~04-2021 SPL
Pixel	**Pixel, Pixel XL**	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	
	Pixel 3 - 5	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	*Added AFU support for Android 14 Official and Pixel 8. BF support for Pixel 3-5 extended to latest SPLs*
	Pixel 6 - 8	✅ Fully Supported	❌ Not Supported	✅ Fully Supported	❌ Not Supported	
Non-Samsung Qualcomm including Huawei, LG, Motorola, Xiaomi, Sony, OnePlus and many more		✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	✅ Fully Supported	**Added AFU, BFU & BF support for Snapdragon 8 Gen 3, 8 Gen 2, 6 Gen 1, 7+ Gen 2, 7s Gen 2, 4 Gen 2.**

Legend:
- ✅ Fully Supported
- ☑ Partially Supported
- ❌ Not Supported

Huawei Kirin temporarily disabled.

For Non-Samsung/Pixel, Qualcomm FBE devices, there may be a requirement for 24hr uptime of the device prior attempting to brute force the device. Affected chipsets: SM4350, SM6150 SM7150, SM8150 and newer

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Table 2: Android OS Access Support Matrix – Locked devices (cont.) 7.69.1

Vendor (Chipset)		Section 1: COLD - turned off (Secure startup or FBE)		Section 2: HOT (AFU or FDE without secure startup)		More Info
		BFU extractions (for FBE devices)	Brute-Force Password and then All Extractions	All Extractions (Even without BF)	Brute-Force password (not needed for extraction)	
Non-Samsung MTK	**Xiaomi, Huawei, LG, Motorola, ...**	✅ (green)	✅ (green)	✅ (green)	✅ (green)	
	Vivo, Oppo, Realme, OnePlus	☑ (yellow)	☑ (yellow)	☑ (yellow)	☑ (yellow)	Most of these devices are supported
Non-Samsung Exynos Example Motorola, Vivo, …		✅ (green)	✅ (green)	✅ (green)	✅ (green)	
Tracfone brand of LG, etc… Spreadtrum based devices Non-Android devices MDM devices						**Samsung MDM partially supported in CAS**
Unisoc devices		☑ (yellow)	☑ (yellow)	☑ (yellow)	☑ (yellow)	Some of these devices are supported. Including AFU, BFU & BF support for **Moto E20, E30, E32, E40, E13, G20, G14. Added BF for ZTE Unisoc devices.**

Table 3: Android OS Access Support Matrix – Google Pixel 1-5 7.69.1

Model / State	Standard Android OS, BFU	Standard Android OS, AFU	Standard Android OS, Unlocked	GrapheneOS, BFU *	GrapheneOS, AFU *	GrapheneOS, Unlocked
Pixel / Pixel XL	BFU Yes BF yes, no SPL limitation	FFS Yes BF Yes, no SPL limitation	FFS Yes	NA	NA	NA
Pixel 2 / Pixel 2XL	BFU Yes BF No	FFS Yes BF No	FFS Yes	NA	NA	NA
Pixel 3 / Pixel 3XL / Pixel 3a	BFU Yes BF Yes, no SPL limitation	FFS Yes BF Yes, no SPL limitation	FFS Yes	BFU Yes, up to late 2022 SPL BF Yes, up to late 2022 SPL	FFS Yes, up to late 2022 SPL BF Yes, up to late 2022 SPL	FFS Yes
Pixel 4 / Pixel 4XL / Pixel 4a	BFU Yes BF Yes, no SPL limitation	FFS Yes BF Yes, no SPL limitation	FFS Yes	BFU Yes, up to late 2022 SPL BF Yes, up to late 2022 SPL	FFS Yes, up to late 2022 SPL BF Yes, up to mid 2022 SPL	FFS Yes
Pixel 5 / Pixel 5XL / Pixel 5a	BFU Yes BF Yes, no SPL limitation	FFS Yes BF Yes, no SPL limitation	FFS Yes	BFU Yes, up to late 2022 SPL BF Yes, up to late 2022 SPL	FFS Yes, up to late 2022 SPL BF Yes, up to late 2022 SPL	FFS Yes

Table 3: Android OS Access Support Matrix – Google Pixel 7.69.1

Model / State	Standard Android OS, BFU	Standard Android OS, AFU	Standard Android OS, Unlocked	GrapheneOS, BFU *	GrapheneOS, AFU *	GrapheneOS, Unlocked
Pixel 6 / Pixel 6 Pro / Pixel 6a	BFU Yes BF No	FFS Yes BF No	FFS Yes	BFU Yes, up to late 2022 SPL BF No	FFS Yes, up to late 2022 SPL BF No	FFS Yes
Pixel 7 / Pixel 7 Pro / Pixel 7a / Pixel Tablet / Pixel Fold	BFU Yes BF No	FFS Yes BF No	FFS Yes	BFU Yes, up to late 2022 SPL BF No	FFS Yes, up to late 2022 SPL BF No	FFS Yes
Pixel 8 / Pixel 8 Pro	BFU Yes BF No	FFS Yes BF No	FFS Yes	BFU Yes, up to late 2022 SPL BF No	FFS Yes, up to late 2022 SPL BF No	FFS Yes